AVA

WIRELESS SECURITY SYSTEM

USER'S MANUAL

Carefully read through this manual prior to installing and programming the system!

Teletek Electronics JSC

Sofia, November 2005

CE1304

Guarantee

During the guarantee period the manufacturer shall, at its sole discretion, replace or repair any defective product when it is returned to the factory. All parts replaced and/or repaired shall be covered for the remainder of the original guarantee, or for ninety (90) days, whichever period is longer. The original purchaser shall immediately send manufacturer a written notice of the defective parts or workmanship, which written notice must in all cases be received prior to expiry of the guarantee.

International Guarantee

Foreign customers shall enjoy the same guarantee rights as those enjoyed by any customer in Bulgaria, except that manufacturer shall not be liable for any related customs duties, taxes or VAT, which may be payable.

Guarantee Procedure

This guarantee will be granted when the appliance in question is returned. The manufacturer shall accept no product whatsoever, of which no prior notice has been received.

Conditions for waiving the guarantee

This guarantee shall apply to defects in products resulting only from improper materials or workmanship, related to its normal use. It shall not cover:

- § Damages resulting from transportation and handling;
- § Damages caused by natural calamities, such as fire, floods, storms, earthquakes or lightning;
- § Damages caused by incorrect voltage, accidental breakage or water; beyond the control of the manufacturer;
- § Damages caused by unauthorized system incorporation, changes, modifications or surrounding objects;
- § Damages caused by peripheral appliances unless such peripheral appliances have been supplied by the manufacturer;
- § Defects caused by inappropriate surrounding of installed products;
- § Damages caused by failure to use the product for its normal purpose; Damages caused by improper maintenance;
- § Damages resulting from any other cause, bad maintenance or product misuse.

In the case of a reasonable number of unsuccessful attempts to repair the product, covered by this guarantee, the manufacturer's liability shall be limited to the replacement of the product as the sole compensation for breach of the guarantee. Under no circumstances shall the manufacturer be liable for any special, accidental or consequential damages, on the grounds of breach of guarantee, breach of agreement, negligence, or any other legal notion.

Waiver

This Guarantee shall contain the entire guarantee and shall be prevailing over any and all other guarantees, explicit or implicit (including any implicit guarantees on behalf of the dealer, or adaptability to specific purposes), and over any other responsibilities or liabilities on behalf of the manufacturer. The manufacturer does neither agree, nor empower, any person, acting on his own ***behalf, to modify or alter this Guarantee, nor to replace it with another guarantee, or another liability with regard to this product.***

Unwarranted Services

The manufacturer shall repair or replace unwarranted products, which have been returned to its factory, at its sole discretion under the conditions below. The manufacturer shall accept no products for which no prior notice has been received.
The products, which the manufacturer deems repairable, will be repaired and returned. The manufacturer has prepared a price list and those products, which can be repaired, shall be paid for every repaired appliance.
The closest equivalent product, available at the time, shall replace the products manufacturer deems unrepairable. The current market price shall be charged for every replaced product.

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1. General

The AVA Wireless Security System is designed for establishing domestic and small office alarm security systems. The connection between the various components of the security system is wireless, based on radio-communication with a frequency of 868 MHz.

The AVA set includes modules meeting all requirements for an alarm security system – sirens for indoor and outdoor installation, magnetic contact, infrared detector, fire optical-smoke detector, digital communicator, remote controls and keypad with liquid crystal display.

The maximal number of system users is 16. Every user, depending on the rights assigned by the system installer, can arm or disarm the system security, bypass detectors and modules, change his own code, program the other codes, review the list of events in the system, check the system clock, as well as many other functions.

In order to gain access to the available functions and parameters, the user has to enter his code. Access to specific functions and parameters will depend on the individual user rights.

Security control can be exercised through the liquid crystal display keyboard built into the AVA box, the remote control, and wireless keypad with liquid crystal display or over the telephone.

The digital communicator enables the establishment of an acoustic connection with the armed premises. It is possible to hear out these premises as well as to hold a conversation with them.

1.1 LED Indication

There are 4 LED indicators for the main events in the system on the LCD keypad display, integrated into the control panel box.

220V AC – lights up in green to indicate main power supply; extinguishes to indicate main power supply failure.

TROUBLE – lights up in yellow in case of System Tamper; blinks in case of System Trouble. It is recommended to call your installer.

ALARM – lights up in red in case of an alarm event; blinks during entry or exit times.

FIRE – lights up in red to indicate a fire event.

1.2 Sound Indication

The following sound indications have been integrated within the AVA:

Short beep – upon pressing any key.

Continuous beep – refusal to perform an action.

Continuous sound, followed by a chime – confirmation signal.

Interrupted sound signal – exit time is running.

Quick interrupted sound signal – exit time is running or an important event has occurred such as Tamper, Fire, etc.

Double sound signal every 20 seconds – in the case of technical system problems.

2. Arming and Disarming the System

The security system is readily available to be armed when – all area detectors, likely to be armed, must be in an inactive state. Readiness for arming is indicated by the "-" symbol below the respective system area.

AVA can provide short sound signals from the System sirens in confirmation of successfully executed Arm and Disarm commands. Where this function has been programmed by the System installer, the successful execution of the Arm command shall be confirmed by two short activations of the sirens, and the execution of the Disarm command shall be confirmed by three short activations of the sirens.

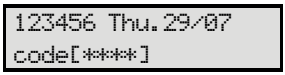
2.1 Arming and Disarming By Remote Control

Press the key designated to execute a respective function, as programmed by your installer. When pressed, the built-in LED should blink in red. If the command is received by the Control Panel, the LED will blink in green.

2.2 Arming and Disarming From the Keyboard

Arming Security:

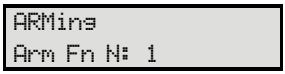
Enter the User Menu by entering your access code:



If correctly introduced there will be a confirmation signal from the keypad.

Single press the key ARM and with the help of the digit buttons enter the selected Arm function.

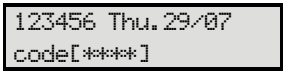
The available numbers of the functions are 1 to 6.



Confirm the selection by single pressing the key ENT.

Disarming Security:

Enter the User Menu by dialing your access code:



If correctly introduced there will be a confirmation signal from the keypad.

Single press the key DISARM and with the help of the digit buttons enter the selected Arm function.

The available numbers of the functions are 1 to 6.

Confirm the selection by single pressing the key ENT.

Single Button Arming and Disarming

Where the user code has been assigned rights for only one function, the Arm and Disarm procedure is automatically completed by pressing the respective key ARM or DISARM.

2.3 Arming/Disarming by Telephone

The AVA can be controlled from a mobile or ordinary telephone, capable of reproducing DTMF tones.

To establish a connection dial the telephone number of the System. After connection is established, a specific sound, produced by the System, will be heard from the receiver.

Single press " * " or " # ". Enter a valid system code, followed by two random digits. The code which is being used must be assigned Remote Control rights - **"Remote Access"**.

A confirmation signal will be heard from the receiver when the code has been entered correctly.

On the telephone keypad enter the symbols "*9". This will switch the System over to remote control mode of security.

Enter the number of the desired function for arming or disarming. For arming function enter a value between 001 and 006, and for disarming enter 101 to 106. A signal confirming the set command will be heard from the receiver.

Fig. 1 shows the consequence of activities for using a telephone connection

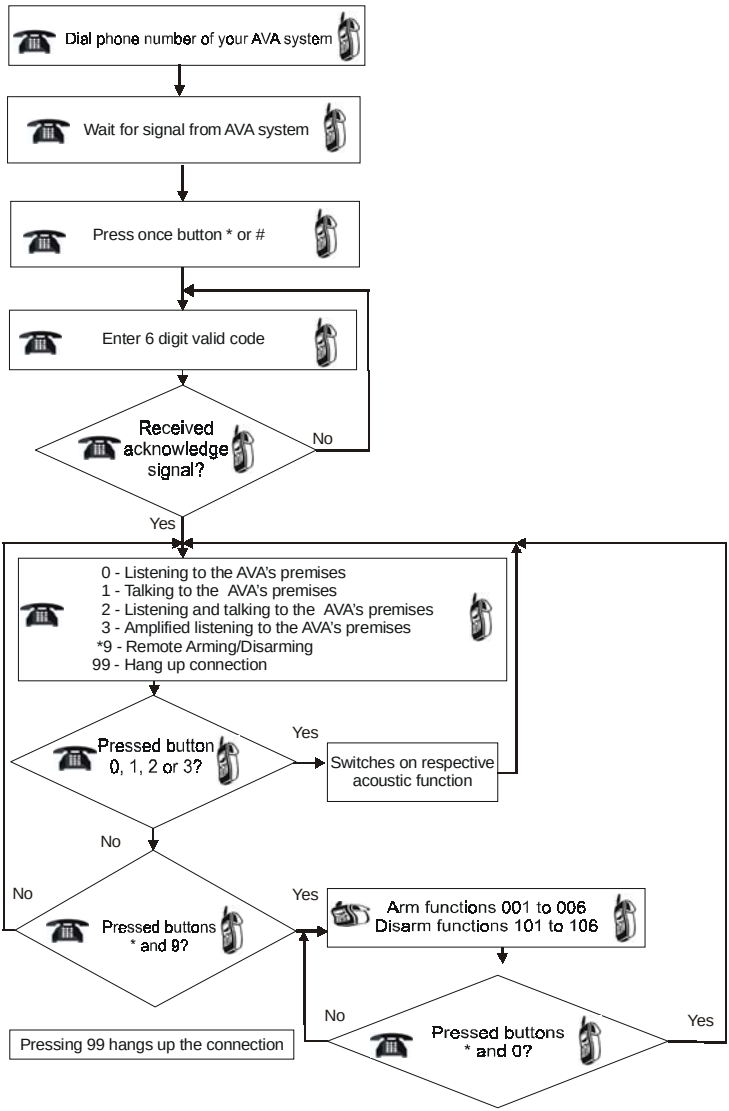

Dial phone number of your AVA system
Wait for signal from AVA system
Press once button * or #
Enter 6 digit valid code
Received acknowledge signal?
No
Yes
0 - Listening to the AVA's premises
1 - Talking to the AVA's premises
2 - Listening and talking to the AVA's premises
3 - Amplified listening to the AVA's premises
*9 - Remote Arming/Disarming
99 - Hang up connection
Pressed button 0, 1, 2 or 3?
Yes
Switches on respective acoustic function
No
No
Pressed buttons * and 9?
Yes
Arm functions 001 to 006
Disarm functions 101 to 106
Pressing 99 hangs up the connection
No
Pressed buttons * and 0?
Yes

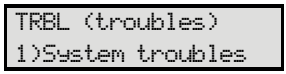
Figure 1 Consequence of activities for using a telephone connection

3. System State

Every user has access to 5 menus where the state of the System can be checked. To gain access to these menus enter a valid user code and then single press TRBL.

Technical Trouble Review

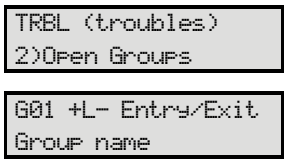
Single press 1 and the display will automatically show current technical problems:



AC loss	- no main power supply
Main BATT	- low charge level or burnt out battery fuse
fuse	- burnt out auxiliary power supply fuse
module BATT	- low battery charge in any of the modules
maintenance	- low temperature or FD requires servicing
comm. ERR	- telephone communication trouble
line fault	- telephone line trouble
RFinterference	- currently not maintained

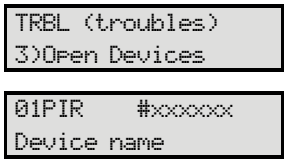
Review of System Areas not ready to be Armed

Single press 2 and the display will automatically show the areas, which are not ready to be Armed:

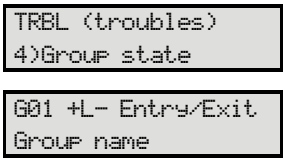


Review of Currently Active Detectors

Single press 3 and the display will automatically show the detectors, which are not ready to be Armed:

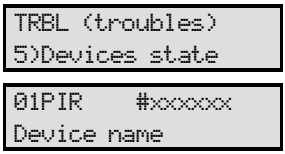


Single press 4 and the display will automatically show all the areas and will indicate their state:



Review of System module state

Single press 5 and the display will automatically show all modules in the System and will indicate their state:



Use the arrows ◄ ► to switch over from automatic to manual review mode.
The symbols indicating the state of the System modules are:

	Fire
	Tamper
	Alarm
	Memory
	Low battery charge level of the main System module
	Low battery charge level of a System module
L	No connection with module
II	Burnt out fuse
	Armed
	Armed with bypassed detectors
M	Requires engineer supervision
B	Bypassed module
D	Disallowed module
—	Area is ready to Arm
+	Open area

The information contained in the event memory is as follows:

4. Bypassing Detectors or Groups of Detectors

Individual detectors can be bypassed where necessary. When bypassed their state will have no effect when the System is armed.
In order to bypass detectors introduce a valid user code.

Single press BPS. Use the arrows to select Bypass or No Bypass. Confirm the selection by single pressing ENT.

Use the arrows ◄ ► to position on the desired detector and then single press ENT.

Use the arrows to select Bypass or No Bypass. Confirm the selection by single pressing ENT.

4. Bypassing Detectors or Groups of Detector

When disarming, the System automatically restores the bypassed detectors which belong to disarmed Areas.

5. Review of the Event LOG

The System records the latest 256 events by time and date of occurrence. These events are available for review by the user. For this purpose the respective user needs to have been assigned the relevant right.

In order to review the events enter a valid user code and single press MEM.

Events can be viewed with the help of the arrows ◄ ►. It is possible to switch over to a screen with a detailed description of the event. The switch over between the two screens can be done by single pressing PRG.

```
008 29/07 19:18
EV_BURG_ALARM
```

The event displayed is 8th on the row of the list. The type of event is a Burglary Alarm event having occurred at 7.18 p.m. on 29 July. Detailed information will be displayed by single pressing PRG :

```
G:02 Group name
D:01 Device name
```

6. User's Programming

The System maintains 16 user codes. Depending on their programmed rights the users avail of access rights to various menus.

In order to program the user codes and their rights introduce a valid code and then single press PRG.

```
User Menu
ARMing
```

→ PRG

```
PROGramming
1)User Codes
```

→ ENT

Use the arrows ◄ ► to position on the user code to be programmed and single press ENT.

```
Code 01 ***/----
Code name
```

In order to change the digital configuration of the code, go to **1)Change Code** and single press ENT.

```
Code name
1)Change code
```

→ ENT

Introduce the new code combination twice.

```
Code name
new code:[****]
```

```
Code Name
confirm:[****]
```

In order to change the name of the code, go to **2)Change Name** and single press ENT.

```
* DARM f-n N6
```

In order to program user code attributes go to **5)CodeAttributes** and single press ENT.

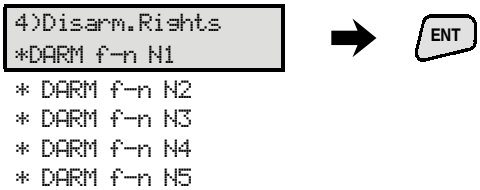
Use the digit keys to enter the new code name. The length of the name should not exceed 8 letters. Confirm the new name by single pressing ENT.

In order to edit code rights for arming the System, go to **3)Arming Rights** and single press ENT.

Use the arrows to position on the arm function, needed to program the desired code. Press PRG to mark and unmark in sequence the selected function. Confirm programming by single pressing ENT.

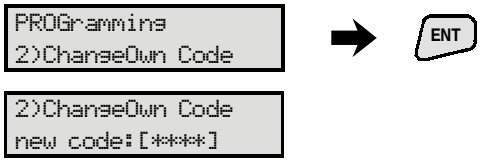
In order to edit code rights for disarming the System, go to **4)Disarm.Rights** and single press ENT.

Use the arrows to position on the disarm function, needed to program the desired code. Press PRG to mark and unmark in sequence the selected function. Confirm programming by single pressing ENT.



* Manager - can program remaining codes
* Bypass - can bypass
* Log view - can view the Log of Events
* Time/Data set - can adjust the time
* Remote Access - allows access by telephone line

In order to change the digits configuration of the personal code go to **2)ChangeOwn Code** and single press ENT. The codes without a Manager attribute can only change their own digits combination.



The new code combination shall be entered two times for authenticity.

7. System Adjustments

Every user has access to four menus to make system adjustments. In order to access these menus enter a valid user code and single press PRG. Then single press 3.

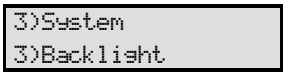
To change the date and time single press 1. Enter the date and time and confirm the change by single pressing ENT.

To change the type of the display single press 2. Use the arrows ◄ ► to position on the parameters. Press PRG to mark and unmark. Confirm the change by single pressing ENT.

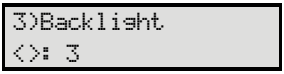
* Chime on entry - emits a “chime” sound when a detector is activated in an entry/exit type zone

* display Groups - indicates the statues of areas

For display backlight corrections single press (3).



With the help of the arrows (◄) (►) adjust the required brightness of the backlight. Confirm the change by single pressing (ENT).



In order to change the language of the captions press (4). With the help of the arrows (◄) (►) select the language. Confirm by single pressing (ENT).

english

8. User's Menus